

## **MODIFIED BACTERIAL CELLULOSE**

### **ABSTRACT OF THE DISCLOSURE**

5        This invention provides a bacterial cellulose comprising ribbon-shaped microfibrils having a thickness of 1 to 9 nm and a width of 250 to 1000 nm.    The bacterial cellulose can be produced by culturing cellulose-producing bacteria in a culture medium containig a cell division inhibitor.    The bacterial  
10      cellulose is modified from conventional bacterial cellulose in the major axis (width), and is improved in Young's modulus, etc.